

In re Patent Application of
BRAMLEY
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In the Claims:

Claims 1-8 (Cancelled).

9. (New) A method for processing audio/video data within an audio/video disk drive comprising a reception interface for receiving a digital audio/video disk containing data compressed according to at least one of a first compression standard and a second compression standard, the second compression standard having a compressed data rate less than a predetermined data transfer rate and having a decoded data rate greater than the predetermined data transfer rate, the method comprising:

transferring compressed data from the digital audio/video disk to an electronic chip connected to the reception interface, the electronic chip comprising main processing means for decoding the data if compressed according to the first compression standard, and an input/output interface supporting the predetermined data transfer rate, and if the data is compressed according to the second compression standard, then the electronic chip transfers the data through the input/output interface; and

receiving the transferred data by auxiliary processing means connected to the input/output interface, the auxiliary processing means performing the following

decoding the data according to the second compression standard,

re-encoding the decoded data according to the first compression standard, and

transferring the re-encoded data to the electronic chip for decoding according to the first compression standard.

In re Patent Application of
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10. (New) A method according to Claim 9, wherein the first compression standard is based upon the MPEG2 standard; and wherein the second compression standard is based upon the MPEG4 standard.

11. (New) A method according to Claim 9, wherein the auxiliary processing means only encodes intra images.

12. (New) A method according to Claim 9, wherein the input/output interface is a generic external memory interface.

13. (New) A method for processing data within a disk drive comprising an interface for receiving a disk containing data compressed according to at least one of a first compression standard and a second compression standard, the second compression standard having a compressed data rate less than a predetermined data transfer rate and having a decoded data rate greater than the predetermined data transfer rate, the method comprising:

transferring compressed data from the disk to a main processor connected to the interface, the main processor for decoding the data if compressed according to the first compression standard, and comprises an input/output interface supporting the predetermined data transfer rate, and if the data is compressed according to the second compression standard, then the main processor transfers the data through the input/output interface; and

receiving the transferred data by an auxiliary processor connected to the input/output interface, the

In re Patent Application of
BRAMLEY
Serial No. Not Yet Assigned
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auxiliary processor performing the following

decoding the data according to the second
compression standard,
re-encoding the decoded data according to the
first compression standard, and
transferring the re-encoded data to the main
processor decoding according to the first
compression standard.

14. (New) A method according to Claim 13, wherein
the auxiliary processor only encodes intra images.

15. (New) A method according to Claim 13, wherein
the disk comprises a digital video disk (DVD).

16. (New) A method according to Claim 13, wherein
the first compression standard is based upon the MPEG2
standard; and wherein the second compression standard is based
upon the MPEG4 standard.

17. (New) A method according to Claim 13,
wherein the input/output interface is a generic external
memory interface.

18. (New) A method according to Claim 13, wherein
the auxiliary processor comprises an input/output interface
for exchanging data with the input/output interface of the
main processor.

19. (New) An audio/video disk drive comprising:
reception means for receiving a digital audio/video

In re Patent Application of
BRAMLEY
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disk containing data compressed according to at least one of a first compression standard and a second compression standard, the second compression standard having a compressed data rate less than a predetermined data transfer rate and having a decoded data rate greater than the predetermined data transfer rate;

an electronic chip connected to said reception means for receiving the data compressed according to the first or second compression standard, said electronic chip comprising main processing means for decoding the received data if compressed according to the first compression standard, and an input/output interface supporting the predetermined data transfer rate, and if the received data is compressed according to the second compression standard, then said electronic chip transfers the received data compressed according to the second compression standard through said input/output interface; and

auxiliary processing means connected to said input/output interface for receiving the transferred data, said auxiliary processing means

decoding the received data according to the second compression standard,

re-encoding the decoded data according to the first compression standard, and

transferring the re-encoded data to said electronic chip for decoding according to the first compression standard.

20. (New) An audio/video disk drive according to Claim 19, wherein the first compression standard is based upon the MPEG2 standard; and wherein the second compression

In re Patent Application of
BRAMLEY
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standard is based upon the MPEG4 standard.

21. (New) An audio/video disk drive according to Claim 19, wherein said auxiliary processing means only encodes intra images.

22. (New) An audio/video disk drive according to Claim 19, wherein said input/output interface is a generic external memory interface.

23. (New) An audio/video disk drive according to Claim 19, further comprising a second input/output interface that is compatible with said input/output interface of said electronic chip; and wherein said auxiliary processing means are connected to said second input/output interface for exchanging data with said main processing means.

24. (New) A disk drive comprising:
an interface for receiving a disk containing data compressed according to at least one of a first compression standard and a second compression standard, the second compression standard having a compressed data rate less than a predetermined data transfer rate and having a decoded data rate greater than the predetermined data transfer rate;
a main processor connected to said interface for receiving the data compressed according to the first or second compression standard, said main processor for decoding the received data if compressed according to the first compression standard, and comprising an input/output interface supporting the predetermined data transfer rate, and if the received data is compressed according to the second compression standard,

In re Patent Application of
BRAMLEY
Serial No. Not Yet Assigned
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then said main processor transfers the received data
compressed according to the second compression standard
through said input/output interface; and

an auxiliary processor connected to said
input/output interface for receiving the transferred data,
said auxiliary processor

decoding the received data according to the
second compression standard,

re-encoding the decoded data according to the
first compression standard, and

transferring the re-encoded data to said main
processor for decoding according to the first
compression standard.

25. (New) A disk drive according to Claim 24,
wherein said auxiliary processor only encodes intra images.

26. (New) A disk drive according to Claim 24,
wherein the disk comprises a digital video disk (DVD).

27. (New) A disk drive according to Claim 24,
wherein the first compression standard is based upon the MPEG2
standard; and wherein the second compression standard is based
upon the MPEG4 standard.

28. (New) A disk drive according to Claim 24,
wherein said input/output interface is a generic external
memory interface.

29. (New) A disk drive according to Claim 24,
wherein said auxiliary processor comprises an input/output

In re Patent Application of
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interface for exchanging data with said input/output interface
of said main processor.